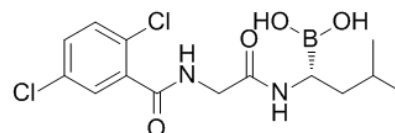


Product Name : MLN2238
Cat. No. : PC-42596
CAS No. : 1072833-77-2
Molecular Formula : C₁₄H₁₉BCl₂N₂O₄
Molecular Weight : 361.0287
Target : Proteasome
Solubility : DMSO: ≥ 28 mg/mL
4. Tian Z, et al. Blood. 2012 Nov 8;120(19):3958-67.



Biological Activity

A potent, selective, orally bioavailable proteasome inhibitor with IC₅₀ of 3.4 nM; binds to and inhibits the chymotrypsin-like proteolytic (β₅) site of the 20S proteasome with K_i of 0.93 nM, weakly inhibits the caspase-like (β₁) and trypsin-like (β₂) proteolytic sites (IC₅₀ of 31 and 3,500 nM); inhibits growth and induces apoptosis in MM cells; shows improved antitumor activity in models of lymphoma compared with bortezomib.

Blood Cancer
Approved

References

- Kupperman E, et al. Cancer Res. 2010 Mar 1;70(5):1970-80.
Chauhan D, et al. Clin Cancer Res. 2011 Aug 15;17(16):5311-21.
Lee EC, et al. Clin Cancer Res. 2011 Dec 1;17(23):7313-23.

